EXECUTIVE SUMMARY

Date Summary Prepared: September 6, 2005

Mine Name: Lime Peak Quarry	**I.D. Number:** M/049/047
Operator: Shaw Environmental, Inc.	**Date Original Notice Received:** June 30, 2005
Address: 2790 Mosside Boulevard	**County:** Utah
Monroeville, PA 15146	**New/Existing:** Combining 4 small mines into one large mine
	Mineral Ownership: Fee
Telephone: 412-380-6207	**Surface Ownership:** Fee
Contact Person: Tom Mathison	**Lease No.(s):** N/A
Telephone:	**Permit Term:** Life of Mine

Legal Description: Portions of: the west 1/2 of the southwest 1/4 of section 4; the east 1/2 of the southeast 1/4 of the southeast 1/4 of section 5; and the northeast 1/4 of the northeast 1/4, the northwest 1/4 of the southeast 1/4 of the northeast 1/4, the northeast 1/4 of the southwest 1/4 of the northeast 1/4, and the east 1/2 of the northwest 1/4 of the northeast 1/4 of section 8; Township 10 South, Range 2 West, SLBM, Utah County, Utah

Mineral(s) to be Mined: Limestone

Acres to be Disturbed: Total project area is 24.7 acres, some of which was disturbed historically. This permit combines 4 small mining operations into one large mining operation with additional area for future use.

Present Land Use: Limited grazing, and wildlife habitat.

Postmining Land Use: Limited grazing and wildlife habitat

Variances from Reclamation Standards (Rule R647) Granted: None.

Soils and Geology

Soil Description: Two soil types exist within the project area, the Lundy Rock Outcrop Complex (Lundy) and the Deer Creek Cobbly Loam (Deer Creek). The Lundy soil is found on 30 - 70 percent slopes, with about 70% of the area consisting of rock outcrop and the remaining 30% a very cobbly to stony loam. Topsoil depth ranges from 0 to 6 inches with bedrock at about 19 inches deep. This soil type is in the vicinity of the quarry. The Deer Creek soil is cobbly loam that is found on alluvial fans. Topsoil depth ranges from 7 to 28 inches, with bedrock over 60 inches deep. Both soils are well drained and have a neutral pH (pH ranges from 6.9 to 7.6).

Special Handling Problems: Soils on steep slopes are difficult to salvage due to slope and rock outcrop - efforts will be made to salvage all soil that can safely be removed. Soils for reclamation will be made up from excess soil materials from the processing area.

Geology Description: The operation quarries limestone from the Gardison Formation, a medium to dark gray fossiliferous limestone and dolomite, which is about 450 feet thick. This is part of the Mississippian deposits (320-360 million years old) that accumulated in the Oquirrh Basin. Bedding dips to the north-northwest between 10-30 degrees.

Hydrology

Ground Water Description: Depth to ground water in the processing area is 12 feet. Depth of ground water at the quarry area was not determined, but expected to be several hundred feet. There are three wells identified on figure 3, Surface Facility Map, Eureka Well, Doliner Well, and Blue Rock Well. Since this operation is a dry operation using only enough water to control dust and all fuel storage is contained within a lined fueling area, for ground water purposes, permits were not required. The dry mining operation that the project proposes will present

"de minimus" potential to cause pollution to waters of the state, and so would qualify for "permit by rule" status under the Ground Water Protection Regulations(UAC R317-6-6.2). a statement to this effect was issued March 8, 2005, by Rob Herbert, P.G., Manager, Ground water protection Section, UDEQ.

Surface Water Description: Any Surface Water contamination will be treated by using Best Management Practices (BMPs). Stormwater will be monitored, records will be kept, and BMPs will be implemented in accordance with the Surface Water Pollution Prevention Plan (SWPPP). Any vehicle washing or maintenance activities will be preformed at the storage yard in the City of Eureka.

Water Monitoring Plan: Monitoring of stormwater will be preformed and records kept.

Ecology

Vegetation Type(s); Dominant Species: The project is located in the mountain shrubland ecosystem, dominated by sagebrush and sandberg's bluegrass. Other important species include green rabbitbrush, bitterbrush, phlox, Bluebunch wheatgrass, and lupine. Pinyon and juniper are spreading into the area as well as cheatgrass.

Percent Surrounding Vegetative Cover: Vegetation cover on the slope (quarry area) averaged 51%. Cover on the processing area averaged 79% (with 22% of the cover being cheatgrass).

Wildlife Concerns: The area is not considered critical wildlife habitat. Primary usage by wildlife include rabbits, deer, and associated predators such as coyotes, bobcat, and badgers. There are no known threatened or endangered species within the project area.

Surface Facilities: No permanent facilities are associated with this operation. The only roads that will remain for post mining access are roads that were pre-existing. Temporary structures include a 500-gallon fuel tank, a crusher and stacking facility.

Mining and Reclamation Plan Summary:

During Operations: No permanent facilities are associated with this operation. Temporary structures include a 500-gallon fuel tank, a crusher and stacking facility. Prior to new disturbances, available soils will be salvaged for reclamation. No topsoil is available on the old quarry area in section 4. Stone in blasted and excavated from the quarry area and hauled to the processing area. Here is will be crushed and screened and stockpiled. Final product will be hauled by truck to various superfund mitigation areas in the Eureka area. Fugitive dust will be controlled by application of magnesium chloride and water. The operator has an Air Quality Approval Order for operation of the crusher.

After Operations: The quarry area will be left with an overall slope of 45 degrees (1h:1v). Because the pre-existing operation did not salvage soil materials, no soil will be replaced. Regrading with an excavator and seeding will reclaim access roads to the quarry. Reclamation of the processing area will consist of removal of the crusher and screening facility, ripping the entire area to a depth of 2 feet, replacing a minimum of 12 inches of plant growth material and broadcast seeding with a seed mix of native species designed to achieve the post mining land use of limited grazing and wildlife habitat.

Surety

Amount: $106,800
Form: unknown
Renewable Term: 5 years.

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